

## **Technical data**

### **Mains input:**

AC 89-265V / 50-60Hz / 5W

### **Input / Output:**

4x USITT DMX512 /RS485/ isolated up to 1000V

### **Size:**

Metal box with powder coating: 234x154x62mm

### **Mounting points:**

Located symmetrically on base plate, 8mm wide hole for securing line  
Grid of mounting points: 222x78mm, 4 x rubber feet on bottom

### **Weight:**

1.7 kg

### **Temperature of use:**

-10 °C / +45 °C

### **Warranty:**

Two Years /24 months/ warranty

## **DECLARATION OF CONFORMITY** **According to guidelines 89/336 EEC and 92/31 EEC:**

**Name of producer:** SRS Light Design s.r.o.

**Address of producer:** Rybnicna 36/D, SK- 83106 Bratislava, Slovak Republic

*Declares that the product*

**Name of product:** DST4 way DMX splitter

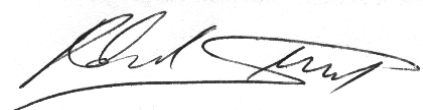
**Type:** DST4

*Corresponds to the following product specifications:*

**Safety:** EN60065, resp. EN 60950

**EMC:** EN55103-1, resp. EN55103-2

Bratislava, 10<sup>th</sup> of May 2011



Robert Sloboda



# DST 4 way DMX splitter

## Instruction Manual

### Model:

<b>DST4-3</b>	<b>3 pin DMX connectors</b>
<b>DST4-5</b>	<b>5 pin DMX connectors</b>
<b>DST4-C</b>	<b>mixed DMX connectors</b>

### ATTENTION!

This instruction manual contains important information about the installation and use of equipment. Please read and follow these instructions carefully. Always ensure that the power to equipment is disconnected before opening the equipment or commencing any maintenance work.

## **IMPORTANT SAFETY INFORMATION**

The following general safety precautions have to be observed during all phases of operation, service, and repair of this equipment. Failure to comply with these precautions or with specific warning in this manual violates safety standards of design, manufacture, and intended use of this equipment.

### ***Do not operate in an explosive atmosphere***

Do not operate this equipment in the presence of flammable gases or fumes. Operation of any electrical instrument in such an environment constitutes a definite safety hazard. Device should be never placed near or over heat register or other source of heated air and it should not be installed or operated without proper ventilation.

## **Mains 85-265V connection**

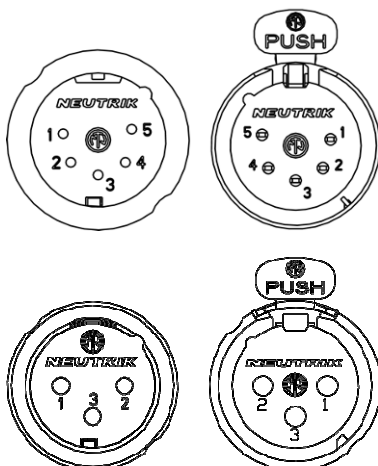
AC power is connected to the splitter via Neutrik PowerCon blue connector. Standard supply is UNISCHUKO lead with Neutrik PowerCon. Always respect markup of L and N on connector for correct wiring of Line and Neutral.

## **DMX connection**

DMX connectors are located on both sides of splitter board. These are separated to two groups. 1<sup>st</sup> group is wired 1:1 and marked as DMX input and DMX thru. This line is not optically isolated and when device is last in line should be terminated by the termination resistor of 120ohm wired between pin 2 and 3 of it DMX thru connector.

The 2<sup>nd</sup> part of splitter consists of 4 ways optically isolated lines marked with letters A-D. Each line has separate power supply, line driver and indication of signals D+, D- on the both signal lines. These LEDs are active when splitter is retransmitting DMX signal and there is no short circuit between data lines.

In case of short circuit between data pins D+/D- to the CMN pin the LED connected to data line will be off.

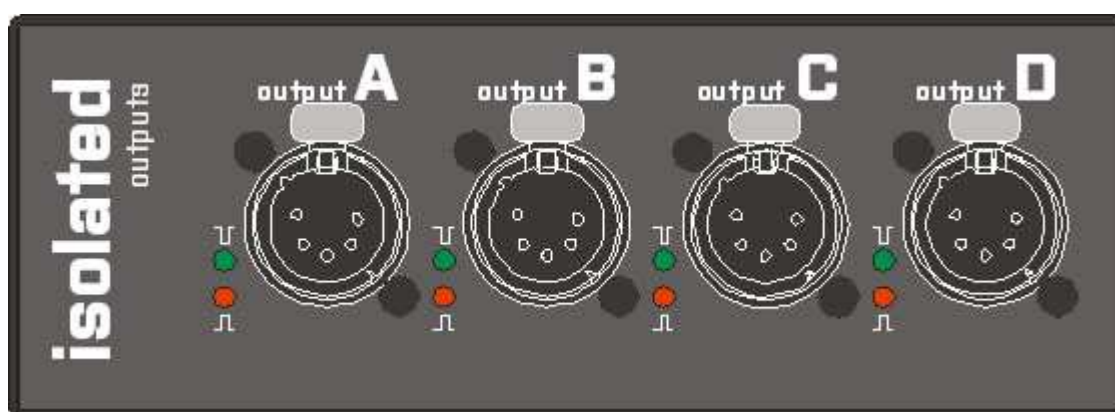


Pin 1	Ground / Common
Pin 2	Data -
Pin 3	Data +

## Front panel:



## Rear panel:



## Device in use / service:

By default Power LED indicates the device is on main power. When there isn't power light please check main power input. When this not help please call service first and then open DST4 and check fuses on main board.

When there is connected the DMX cable to device, LEDs marked as D+ and D- goes ON for side marked as DMX input, thru and this indicates that DST4 is receiving the DMX signal. Speed of light on these LEDs also indicates refresh rate of DMX signal. Fast blinking – high refresh rate, slow blinking – slow refresh rate.

On rear panel of DST4 you can see outputs A-D which are retransmitting the input to the optically isolated outputs. If there is any of data LEDs off, unplug the signal cable corresponding to this output and check the cable for short circuit between D+ and CMN or D- and CMD lines. If there is any problem just send us an email to [service@srslight.com](mailto:service@srslight.com) or call us to +421244681417 and be calm because we help you to fix your problems for sure.